

## *High Performance Liquid Chromatography (HPLC)*

**Make:** Waters

**Model:** 600E Controller/Pump, 717 Sampler, 9960 PDA

**Condition:** Refurbished

***Type of analysis possible***

- Qualitative Analysis
- Quantitative Analysis
- Impurity Profiling
- Metabolite Studies
- Pharmacokinetics
- Pharma & biomedical applications



- A High Performance Liquid Chromatography (HPLC) is an analyzer that has a superior ability in analyzing organic compounds qualitatively and quantitatively. It inherits the features of high resolution and accurate compound detection with high sensitivity.
- HPLC systems have two detectors- Photo Diode Array detector (PDA) and Fluorescence Detector
- HPLC systems have Waters 600E multi-solvent delivery pumps

***Specification***

Number of eluents	One to four
Modes of operation	Gradient, isocratic, and flow programming
Operating flow range	0.00 to 45 mL/min (225 $\mu$ L heads), in 0.01-mL increments.
	0.00 to 20 mL/min (100 $\mu$ L heads), in 0.01-mL increments

***Contact Us***

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Composition range	0 to 100% programmable in 1% increments for each of four reservoirs: A, B, C and D. Total composition must sum to 100%
Compositional accuracy	Better than 1.0%, independent of pressure.
Automatic eluent sparging	Standard, helium gas, input gas pressure range 50 to 150 psi (3.5 to 10.5 kg/cm <sup>2</sup> ). Helium flow rate range 0 to 100 mL/min, programmable in 1 mL/min increments
Pressure maxima	6000 psi (420 kg/cm <sup>2</sup> ) at 10 mL/min. 1000 psi (70 kg/cm <sup>2</sup> ) at 45 mL/min.
Programmable pressure limits	Lower: 0 to 5950 psi (0 to 416.5 kg/cm <sup>2</sup> ) Upper: 51 to 6000 psi (3.6 to 420 kg/cm <sup>2</sup> )

***User Instructions***

1. Expected quantitative and qualitative data can be provided.
2. Solvent for mobile phase should be mentioned or solubility of compound in volatile solvent should be given.
3. The operating conditions should be supplied along with the sample.
4. At present only RP C8,C18 are available. You can submit the column of your interest for separation or repeatability of HPLC run.
5. For HPLC PDA run frequency should be given.
6. Source of the compound should be mentioned.
7. MS-DS (Material Safety Data Sheet) should be given along with samples to ensure that there are no toxic sample being given. Samples should not be toxic or hazardous. Samples will not be accepted unless accompanied by MS-DS.